

VGA EXTENDER
AVLINK™



**WVGA-L / WVGA-E2
(Local)**



WVGA-R

(Remote)

WVGA-RS

USER MANUAL

V1.1

Package Contents for WVGA-E

- WVGA-L Local Unit
- WVGA-R Remote Unit
- 1 user manual
- 2 power adapter DC 12V/600mA
- 1 VGA 1.2M cable (HD-15 Male to Male)
- 4 M4*10mm screws
- 4 P6*14mm screws

Package Contents for WVGA-ES

- WVGA-L Local Unit
- WVGA-RS Remote Unit
- 1 user manual
- 2 power adapter DC 12V/600mA
- 1 VGA 1.2M cable (HD-15 Male to Male)
- 4 M4*10mm screws
- 4 P6*14mm screws

Package Contents for WVGA-E2

- WVGA-E2 Local Unit
- 1 user manual
- 1 power adapter DC 12V/600mA
- 1 VGA 1.2M cable (HD-15 Male to Male)
- 2 M4*10mm screws
- 2 P6*14mm screws

Package Contents for WVGA-R

- WVGA-R Remote Unit
- 1 user manual
- 1 power adapter DC 12V/600mA
- 2 M4*10mm screws
- 2 P6*14mm screws

Package Contents for WVGA-RS

- WVGA-RS Remote Unit
- 1 user manual
- 1 power adapter DC 12V/600mA
- 2 M4*10mm screws
- 2 P6*14mm screws

Any thing missed, please contact with your vendor.

Features

- Through the WVGA Extender, you can use one PC to display identical image and extension of VGA signal up to 300 meter on monitors.
- Equalization length is adjustable.
- VGA signal gain is adjustable.
- 62ns total delay. (For WVGA-RS)
- 2ns delay step increments. (For WVGA-RS)
- Memorize function. (For WVGA-RS)
- Button locked function. (For WVGA-RS)

Specifications

Function	WVGA-L	WVGA-R	WVGA-RS	WVGA-E2		
VGA In/Out Connector	HD-15 Female x 1					
Cable Connector	6 Pole Captive screw		2x 6 Pole Captive screw			
Max. Resolution	1280x1024 60Hz					
Cable Distance	300 m (Max.)					
Power Adapter (Min.)	DC 12V 600mA					
Housing	Metal					
Weight	136g	136g	145g	139g		
Dimensions (LxWxH)	105x42x38 mm					

LOCAL FRONT VIEW



WVGA-L / WVGA-E2

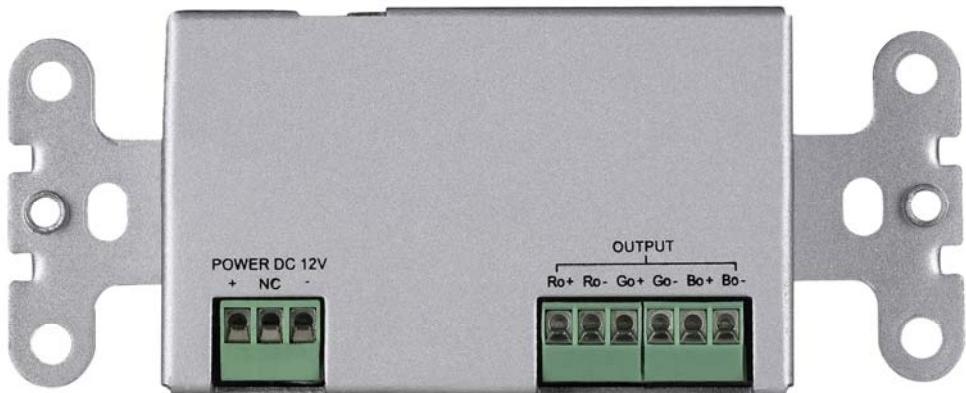
1. HD-15 Female Connector
2. Power LED
3. Control H/V signal inverting switch

The default setting of SW1 is "OFF". If SW1 is set to "ON", the H signal is inverting output.

The default setting of SW2 is "OFF". If SW2 is set to "ON", the V signal is inverting output.

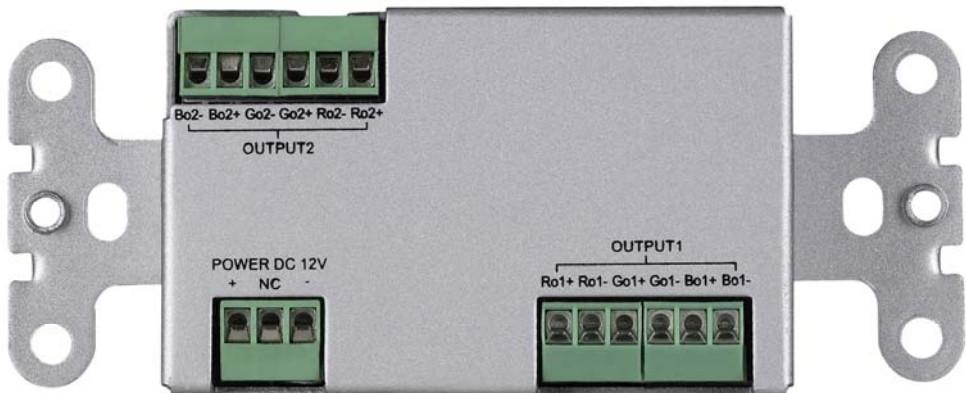
If the local end changes the logic with the H/V signal or the logic of the H/V signal, please use then this function.

LOCAL REAR VIEW



WVGA-L

1. Power Connector
2. Output Cable Connector



WVGA-E2

1. Output 1 Cable Connector
2. Power Connector
3. Output 2 Cable Connector

REMOTE FRONT VIEW



WVGA-R

1. HD-15 Female Connector
2. EQ – Equalization length adjust (Adjust it and weak characters be sharp)
3. GAIN – Adjust brightness
4. Power LED
5. Control H/V signal inverting switch

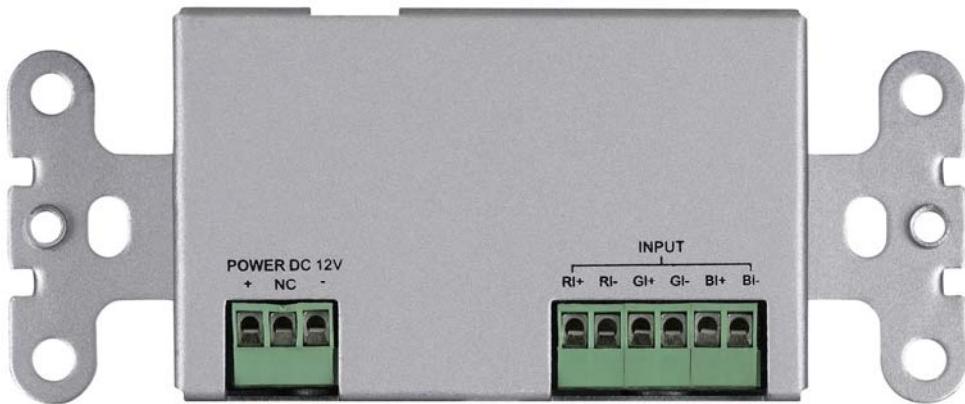
The default setting of SW1 is “OFF”. If SW1 is set to “ON”, the H signal is inverting output.
The default setting of SW2 is “OFF”. If SW2 is set to “ON”, the V signal is inverting output.
If the local end changes the logic with the H/V signal or the logic of the H/V signal, please use then this function.



WVGA-RS

1. EQ / R SKEW up button
2. EQ / R SKEW down button
3. GAIN / G SKEW up button
4. GAIN / G SKEW down button
5. B SKEW up button
6. B SKEW down button
7. VGA Output
8. Indicate LED
9. Select button

REMOTE REAR VIEW



WVGA-R / WVGA-RS

1. Power Connector
2. Input Cable Connector

Installation

1. Turn off the PC.
2. Connect WVGA-Extender Local Unit HD-15 female input connector with HD-15 male to male cable from PC.
3. Connect WVGA-Extender Local Unit HD-15 female output connector with HD-15 male to male cable from monitor.
4. Connect WVGA-Extender Local and Remote Unit with CAT.5 cable.
5. Connect WVGA-Extender Remote Unit HD-15 female connector with HD-15 male to male cable from monitor.
6. Connect the power cord on each side.
7. Turn on the monitor and PC.

WVGA-RS Operation

A. General Mode:

The LED shines after the power is on and all buttons have no function except the select button.

B. Adjust Mode:

In general mode, push select button to entry EQ/GAIN adjust mode. When finish the adjust mode, push select button again to entry RGB SKEW adjust mode. Push one more select button, you can quit the adjust mode and will save the adjusted data, go into the general mode.

EQ/GAIN adjust mode: (RGB SKEW function can not work)

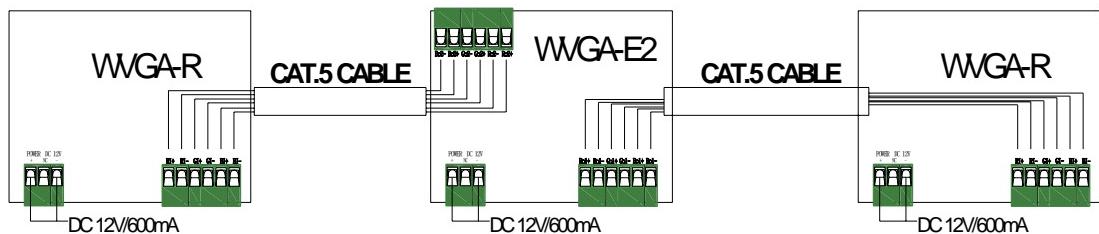
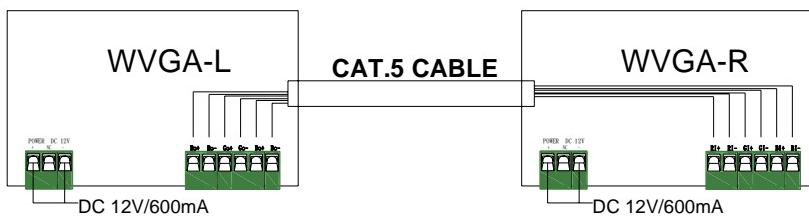
1. Push select button and the LED extinguishment, will entry the EQ/GAIN adjust mode.
2. Push EQ up/down button to increase or decrease the signal compensation, when push two buttons at the same time, the signal compensation will go back to zero.
3. Push GAIN up/down button to increase or decrease the brightness, when push two buttons at the same time, the brightness will go back to zero.

RGB SKEW adjust mode: (EQ/GAIN function can not work)

1. Push select button and the LED shines, will entry the RGB SKEW adjust mode.
2. Push R SKEW up/down button to increase or decrease the delay time, when push two buttons at the same time, the delay time is zero.
3. Push G SKEW up/down button to increase or decrease the delay time, when push two buttons at the same time, the delay time is zero.
4. Push B SKEW up/down button to increase or decrease the delay time, when push two buttons at the same time, the delay time is zero.
5. Push select button after you adjusted, the LED shines means you can quit the adjust mode and will save the adjusted data, go into the general mode.

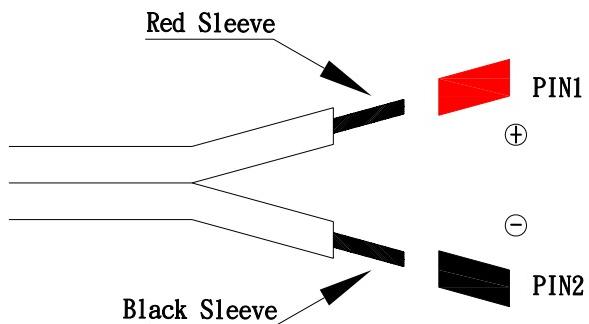
Wiring Information & Coding

6 Pole Captive screw Connector		Color Code for Conductor
WVGA-L / WVGA-E2	WVGA-R	
Ro-/Ro1-/Ro2-	RI-	White-Blue
Ro+/Ro1+/Ro2+	RI+	Blue
Go-/Go1-/Go2-	GI-	White-Orange
Go+/Go1+/Go2+	GI+	Orange
Bo-/Bo1-/Bo2-	BI-	White-Green
Bo+/Bo1+/Bo2+	BI+	Green



Adaptor Output Polarity

PIN #	Output Level	Color Code for Conductor
1	+12V	Black-White
2	RTN(-)	Black



Additional Options

Select any additional options you may require. (WVGA-RS not need.)

It provides perfect skew delay correction, we suggest when distances over 150M it is needed.

(Item No: SK-101)



Distances and Resolutions for CAT.5/5E and CAT.6

cables

CAT.5/5E	50M	2048x1536
	100M	1280x1024
	180M	1024x768
	200M	800x600
	300M	640x480
CAT.6	30M	1920x1440
	50M	1280x1024
	100M	800x600

PS. We suggest to use CAT.5 cable because the performance is better than others.

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